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*Legal counsel based on solid principles.*

**CERTIFICATE OF MAILING UNDER 37 CFR § 1.8**

Date of Mailing: September 20, 2004

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Leah Siegel

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September 20, 2004

DOCKET NUMBER: 9021.120  
NC17649

Mail Stop IDS  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In re: U.S. Serial No. 10/601,071  
Inventor: Kyeong Jin Kim  
Title: **Apparatus, and Associated Method, For Detecting Data  
Communicated to a Receiving Station in a Multiple-Channel  
Communication System**

Enclosed please find:

- ☒ Information Disclosure Statement;
- ☒ Form PTO/SB/08A
- ☒ Four (4) References; and
- ☒ Return post card

Respectfully submitted,

By:

*Robert H. Kelly*

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Reg. No. 33,922

Attorney for Applicant

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

KYEONG JIN KIM

APPARATUS, AND ASSOCIATED METHOD, FOR DETECTING DATA  
COMMUNICATED TO A RECEIVING STATION IN A MULTIPLE-CHANNEL  
COMMUNICATION SYSTEM

U.S. Serial No.:

10/601,071

Filed:

JUNE 20, 2003

Group Art Unit:

2661

Examiner:

SHIRLIE SIMON

Atty. Docket No.

9019.120; NC17649

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Alexandria, VA 22313-1450

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Alexandria, VA. 22313-1450

on September 20, 2004

*Leah Siegel*  
Leah Siegel

Dear Sir:

**INFORMATION DISCLOSURE STATEMENT**

Pursuant to the duty of disclosure under 37 C.F.R. §1.56, Applicant submits this statement. This submittal is made in accordance with 37 C.F.R. §§1.97 and 1.98, and §609 of the Manual of Patent Examining Procedure. The patents, publications and other information herein are listed below and on the attached Form PTO-1449.

Each of the references listed below was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

NON-PATENT DOCUMENTS

Article

KYEONG JIN KIM and JIANG YUE; Joint Channel Estimation and Data Detection Algorithms for MIMO-OFDM Systems

ZHENG YUANJIN; A Novel Channel Estimation and Tracking Method for Wireless OFDM Systems Based on Pilots and Kalman Filtering

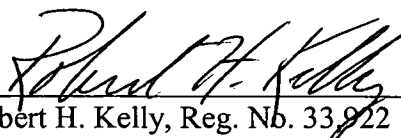
ZHENG YUANJIN; A Novel Channel Estimation and Tracking Method for Wireless OFDM Systems Based on Pilots and Kalman Filtering

KI-YOUNG HAN, SANG-WOOK LEE, JUN-SEOK LIM, MEMBER IEEE, and KOENG-MO SUNG, MEMBER IEEE; Channel Estimation for OFDM with Fast Fading Channels by Modified Kalman Filter

Applicant hereby expressly reserves the right to swear behind the effective date of the references and to question the relevance and materiality of the references cited, in whole, in part, or in combination, subsequent to filing this Information Disclosure Statement.

Respectfully submitted,

Date: 20 Sep 04

  
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Attorney for Applicant

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PTO/SB/08B (08-03)

Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

## **Complete if Known**

Application Number	10/601,071
Filing Date	June 20, 2003
First Named Inventor	Kyeong Jin Kim
Art Unit	2661
Examiner Name	Shirley Simon
Attorney Docket Number	9019.120; NC17649

Sheet 1 of 1

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
/E.P./		KYEONG JIN KIM and JIANG YUE; Joint Channel Estimation and Data Detection Algorithms for MIMO-OFDM Systems 2002	
/E.P./		ZHENG YUANJIN; A novel Channel Estimation and Tracking Method for Wireless OFDM Systems Based on Pilots and Kalman Filtering 2003	
/E.P./		ZHENG YUANJIN; A novel Channel Estimation and Tracking Method for Wireless OFDM Systems Based on Pilots and Kalman Filtering 2003	
/E.P./		KI-YOUNG HAN, SANG-WOOK LEE, JUN-SEOK LIM, MEMBER IEEE, and KOENG-MO SUNG, MEMBER IEEE; Channel Estimation for OFDM with Fast Fading Channels by Modified Kalman Filter 2004	

Examiner Signature	/Eva Puente/	Date Considered	08/17/2009
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO:

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